

**JAN 10 2005**

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	1	of	2
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PTO/SB/08A (08-03)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**Complete if Known**

Application Number	10/600,553
Filing Date	06/20/2003
First Named Inventor	Robert E. Stewart
Art Unit	3742
Examiner Name	Fastovsky, Leonid M.
Attorney Docket Number	LIT-132/000098-199

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> * Number <sup>4</sup> * Kind Code <sup>6</sup> (if known)	MM-DD-YYYY		
LAF	3	EP 0 574 143	12/15/1993	Lucas Industries	
LAF	4	WO 93/05400	03/18/1993	Bei Electronics	

**Examiner  
Signature**

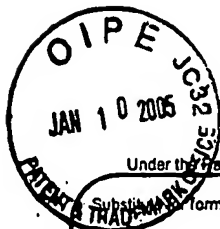
Date  
Considered

9/9/05

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08B (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitution Form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/600,553
Filing Date	06/20/2003
First Named Inventor	Robert E. Stewart
Art Unit	3742
Examiner Name	Fastovsky, Leonid M.
Attorney Docket Number	LIT-132/000098-199

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LMF	5	SATCHELL, D.W. et al., "A Thermally-Excited Silicon Accelerometer", Sensors & Actuators, May 3, 1989, pgs. 241-245, vol. 17, Lausanne, CH	
LMF	6	OTHMAN, M.B. et al., "Electrothermally Excited Silicon Beam Mechanical Resonators", Electronics Letters, July 2, 1987, pgs. 728-730, vol. 23, United Kingdom	

Examiner Signature	<i>Fastovsky</i>	Date Considered	9/9/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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**C mplete if Known**

## Application Number

Application Number	N/A
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Filing Date	06/20/2003
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First Named Inventor	Stewart
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Group Art Unit	N/A
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Examiner Name	N/A
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Attorney Docket Number	LIT-132/000098-199
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*(use as many sheets as necessary)*

Sheet

1

of

2

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**Examiner  
Signature**

Date Considered

9/9/05

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (08-00)

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Substitute for form 1448A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
	Application Number	N/A	
	Filing Date	06/20/2003	
	First Named Inventor	Stewart	
	Group Art Unit	N/A	
	Examiner Name	N/A	
Sheet	2 of 2	Attorney Docket Number	LIT-132/000098-199

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LME	C1	V. Chandrasekaran, E. Chow, T. Kenny, T. Nishida, L. Cattafesta, B. Sankar & M. Sheplak; THERMOELASTICALLY ACTUATED ACOUSTIC PROXIMITY SENSOR WITH INTEGRATED THROUGH-WAFER INTERCONNECTS; 06/2002; 6 pgs.; Solid-State Sensor, Actuator and Microsystems Workshop; University of Florida, Gainesville, FL 32611-6250	
	C2	"PIEZOELECTRIC"; <a href="http://www.techweb.com/encyclopedia/defineterm?term=piezoelectric">http://www.techweb.com/encyclopedia/defineterm?term=piezoelectric</a> ; TechEncyclopedia; Computer Language Company, 5521 State Park Road, Point Pleasant, PA 18950; 1 pg.; 07/23/02.	
	C3	"dither"; <a href="http://www.dictionary.com/search?q=profile; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 2 pgs.; 07/23/02">http://www.dictionary.com/search?q=profile; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 2 pgs.; 07/23/02</a>	
	C4	"actuate"; <a href="http://www.dictionary.com/search?q=profile; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 1 pg.; 07/23/02">http://www.dictionary.com/search?q=profile; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 1 pg.; 07/23/02</a>	
	C5	"transverse"; <a href="http://www.dictionary.com/search?q=profile; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 1 pg.; 07/23/02">http://www.dictionary.com/search?q=profile; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 1 pg.; 07/23/02</a>	
	C6	"electrostatic"; <a href="http://www.dictionary.com/search?q=profile; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 1 pg.; 07/23/02">http://www.dictionary.com/search?q=profile; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 1 pg.; 07/23/02</a>	
	C7	"Joule heating, Kelvin (k), latent heat, lattice, laws of thermodynamics"; Glossary; <a href="http://www.unl.uiuc.edu/~hchiang/chem/glossary.html">http://www.unl.uiuc.edu/~hchiang/chem/glossary.html</a> ; 1 pg.; 07/23/02.	
	C8	"convergence, coriolis force, coulomb, cryosphere, cumulonimbus (Cb)"; Mount Washington Observatory; Glossary of Weather Terms; <a href="http://www.mountwashington.org/glossary/glossc.html">http://www.mountwashington.org/glossary/glossc.html</a> ; 1 pg.; 07/23/02.	
	C9	"efficiency, frequency, hydrophone, hydrophone directivity, kHz (kilohertz), level sensor, main lobe, maximum response axis, omnidirectional, open circuit voltage, piezo-electric ceramic, pinger, projector, proximity sensor, receiver, resonant frequency, ringing, side lobe"; ITC Glossary of Transducer Terms; <a href="http://www.itc-transducers.com/168-0006.htm">http://www.itc-transducers.com/168-0006.htm</a> ; 1 pg.; 07/23/02.	
	C10	"thermodynamics, thermoelastic, thiol, tight-receptor structures, transition state, transition state theory"; Glossary T; <a href="http://www.foresight.org/Nanosystems/glossary/glossary_t.html">http://www.foresight.org/Nanosystems/glossary/glossary_t.html</a> ; 1 pg.; 07/23/02.	
	C11	"nodal point, oscillation"; <a href="http://www.dictionary.reference.com/search?q=nodal%20point">http://www.dictionary.reference.com/search?q=nodal%20point</a> and <a href="http://www.dictionary.reference.com/search?q=oscillation; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 4 pgs.; 04/14/03">http://www.dictionary.reference.com/search?q=oscillation; Lexico, LLC; Lexico, LLC, 13428 Maxella Avenue #236, Marina del Rey, CA 90292; 4 pgs.; 04/14/03</a>	

Examiner Signature	<i>Stortovsky</i>	Date Considered	9/9/05
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